

ABSTRACT

~~TUNABLE HIGH FREQUENCY FILTER ARRANGEMENT AND METHOD FOR THE PRODUCTION THEREOF~~

A high-frequency filter arrangement comprising at least one filter ~~[(F3)]~~ consisting of a plurality of high-frequency inter-coupled cavities ~~(21,... 24)~~ in which a locally fixed respective dielectric resonator element ~~[(44)]~~ is disposed and in which a respective dielectric body ~~[(44)]~~ can be modified, in order to tune the frequency of the filter ~~[(F3)]~~, in the position thereof in relation to the dielectric resonator element ~~[(44)]~~. The structure of the inventive filter arrangement is simple, compact and economical and excellent filter and tuning properties are obtained by virtue of the fact that the dielectric body ~~[(45)]~~ is arranged in an eccentric recess of the dielectric resonator element ~~[(44)]~~ and that the dielectric body ~~[(45)]~~ is rotatably arranged in the eccentric recess ~~[(59)]~~.

~~Figure 14 à publier~~